

Applicant: Schwartz et al.
Serial No.: 10/665,785
Group Art Unit: 3738

PATENT
Docket No. 20220-501

CLAIM AMENDMENTS

Please cancel claim 17 without prejudice and disclaimer.

1. (Original) A device for absorbing fluid pressure in a body lumen comprising:

an elastic member having a passage therein; and

an anchoring member sized and shaped to secure said elastic member to a body lumen; said elastic member having an elasticity selected so as to provide a dampening response to increases in fluid pressure in said body lumen.
2. (Original) The device according to claim 1 wherein said anchoring member is sized and shaped so as to secure said elastic member to an inside of a said body lumen.
3. (Original) The device according to claim 2 wherein said anchoring member is a stent.
4. (Original) The device according to claim 2 wherein said anchoring member is secured to an outer circumference of said elastic member.
5. (Original) The device according to claim 1 wherein said anchoring member is sized and shaped so as to secure said elastic member to an outside surface of said body lumen.
6. (Original) The device according to claim 5 wherein said elastic member is sized and shaped to encircle an external surface of said body lumen.
7. (Original) The device according to claim 5 wherein said anchoring member encircles said elastic member, thereby securing said elastic member to said body lumen.
8. (Original) The device according to claim 6 wherein said elastic member has an inner diameter which is smaller than an outer diameter of the body lumen.

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9. (Original) The device according to claim 1 wherein said anchoring member and said elastic member are integral.
10. (Original) The device according to claim 1 wherein said anchoring member comprises a hollow tubular structure having a first end and a second end; said first and second ends sized for attachment to said body lumen so as to be in fluid communication with said body lumen.
11. (Withdrawn) The device according to claim 1 wherein said elastic member is comprised of a hollow membrane structure having multiple springs.
12. (Withdrawn) The device according to claim 11 wherein said springs are composed of a thermo-plastic metal.
13. (Withdrawn) The device according to claim 12 wherein said thermo-plastic metal is nitinol.
14. (Withdrawn) The device according to claim 1 wherein said elastic member is comprised of a hollow membrane structure containing a plurality of elastic filaments.
15. (Withdrawn) The device according to claim 1 wherein said elastic member contains pores between about 20 microns and about 200 microns in size.
16. (Original) The device according to claim 1 wherein said elastic member substantially resides outside said body lumen.
17. Canceled
18. (Withdrawn) A method of absorbing fluid pressure in a body lumen of a patient comprising:

diagnosing a chronic elevated lumen pressure condition in said patient;

inserting an implant in said body lumen of said patient; and

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allowing flow of body lumen fluid into said implant, absorbing at least a portion of said elevated lumen pressure condition with said implant.

19. (Withdrawn) A method according to claim 18 wherein diagnosing a chronic elevated lumen pressure includes diagnosing hypertension.
20. (Withdrawn) A method according to claim 18 wherein the absorbing with said implant includes allowing said implant to change internal diameters in response to said elevated lumen pressure condition.
21. (Withdrawn) A method according to claim 18 wherein the absorbing with said implant includes dampening said elevated lumen pressure conditions with a plurality of springs internal to said implant.
22. (Withdrawn) A method according to claim 18 wherein the absorbing with said implant includes dampening said elevated lumen pressure conditions with a gaseous media within said implant.
23. (Withdrawn) A method according to claim 18 wherein said implant further comprises an elastic member having an inner chamber containing a plurality of elastic filaments.